



Agenda

Subsystem Overview

Incremental Track Snapshot

CLS Design Issues

Prototype Status

Client Flavors During Release B Operations

- Prototypes and Trades



Prototypes and Trades

ECS Prototypes

- **Completed**
 - DAR Tool Phase 1
- **In Progress**
 - DAR Tool Phase 2
 - DPR Tool
 - ESQL
 - Dynamic Query (UMD) - NRA/CAN
 - Integrate Timeline Tool in JEST (Java Earth Science (Search) Tool) by EP7 ERR**
 - Integrate Dynamic Query Preview functionality in JEST by mid September**
- **Planned**
 - Pull Side Infrastructure Prototype - EWCIP (Enhanced Web Client I/F Prototype) Session Management

Collaborative Prototypes

- **In Progress**
 - Subsetting (UAH)
 - Prototype delivered for evaluation during the EP7 timeframe**
 - Initial incorporation of Subsetting prototype results into CLS design by PW3**



DAR Tool Status

March 8. ASTER DAR Prototype made available for review.

The prototype incorporated ASTER science team comments from prior iterations. It shall also contain a file-oriented back end to the ASTER DAR prototype, to allow the capability to save DARs to disk, a rudimentary search for DARs by key attributes, and retrieval of DARs into the DAR tool. Provide ASTER DAR generation scenario for review.

April 12. Standalone mapping software module available for review.

This module will be made available for review as a standalone module. Updates based on the comments from March release will not be included in this version of the prototype.

May 17. ASTER DAR GUI with timeline software and integrated mapping software for review.

The DAR GUI shall be incorporate ASTER science team comments from the March 8 iteration. The mapping software module will be integrated with the DAR GUI. ECS FOS libraries will be used to develop a timeline module. This module will be made available for review as a standalone module. If the timeline evaluation is completed earlier than this date, which is anticipated, then the timeline module will be made available when the evaluation is completed.

June 25 (EP7 consent to ship review). Release of ASTER DAR prototype - EP7 timeframe.

The final version of the ASTER DAR prototype will be completed by this date and the ASTER DAR prototype will be released with EP7. This version shall include an integrated timeline module, integrated mapping module, and incorporate changes in response to all comments received in earlier iterations. A database backend will be used in place of the file system if the file-system backend was previously used. Issue final prototype report.



DPR Tool Status

- **Mid-March** First iteration of DPR GUIs made available for review.

This version provided powerpoint drawings for GUI screens for generation of all on-demand ASTER products. Accompanying scenarios described the interaction of the DPR functionality with other subsystems, including the Client desktop tools.

- **April 17** Second iteration of DPR GUIs made available for review.

A second iteration of powerpoint drawings for GUI screens for generation of on-demand ASTER will incorporate comments received from the first iteration. The screens will be extended to handle the case of production dependencies for on-demand products. Three additional scenarios will be provided for review:

- handling production dependencies for on-demand products
- DAR and DPR dependency details
- functionality of the DPR tool using RADARSAT on-demand products

- **May 30** Third iteration of DPR GUIs made available for review.

This iteration will be created with a GUI builder to produce GUI screen mockups. This iteration shall include any additional functionality required for interface of the DPR tool to the DAR tool. ASTER Science Team comments on the prior iteration of the DPR prototype will be incorporated in the DPR prototype at this time. The screen mockups will be stand-alone, with limited validity checking done from files. Requirements will be generated from the as-built GUIs, and any comments received from previous review of requirements will be addressed.

- **June 25 (EP7 consent to ship review).** Release of DPR prototype - EP7 timeframe.

The final version of the DPR prototype will be completed by this date and the DPR prototype will be released during the EP7 timeframe. This version shall incorporate changes in response to all comments received in earlier iterations. The DPR prototype would be available in EP7, but only as a stand-alone prototype and not integrated with the client or any other EP7 functionality. The final report will contain a complete set of as-built DPR requirements which have been satisfied by the prototype.

DAR / DPR Tool Status Summary



ASTER DAR Tool

COTS Trade analysis for map and timeline products in progress
Work flow analysis and review in progress
~22 KSLOC developed so far

DPR Tool

Workflow analysis in progress (HFE participation)
Paper mock-ups first iteration complete (SO)
Review of workflow analysis and mock-ups in progress
Review of production dependencies scenario for on-demand products



ESQL Summary

Features

ESQL will be emitted from the JEST

Queries can be viewed and edited by the user prior to submission

Returned results will be treated the same as those resulting from conventional queries

Schedule

CDR demo of ESQL generation by JEST

EP7 ERR ability to edit queries in JEST and send to Illustra

CLS DR (September) integration plan

Pull Side Infrastructure Prototype



Complete By:

Design of Secure Web Architecture	4/12
Finalize the Secure Web Architecture for the Prototype	4/12
Prototype Objectives Review	5/6
DCE Secure Proxy Authentication Module	5/24
DCE Login Cache Mgr Module	6/14
Session Server Module	5/6 through 7/12
Integration with EP7 backend servers	7/30
Secure Web Demonstration	8/5